

What is claimed is:

1. A water irrigation system, comprising:

5 a computer system;

a sensing unit comprising a wind sensor, wherein the wind sensor comprises:

a flow thermistor and a reference thermistor, and wherein the thermistors are configured such that output from the thermistors is a function of wind speed at the flow thermistor; and

10 a calibration thermistor configured such that output from the calibration thermistor is a function of a temperature of the reference thermistor;

wherein the sensing unit is configured to assess wind speed at the flow thermistor as a function of output from the calibration thermistor and to provide output based on the assessed wind speed to the computer system; and

15 wherein the computer system is configured to control irrigation of a zone to be irrigated at least partially based on the assessed wind speed.

2. The water irrigation system of claim 1, wherein the sensing unit is located near or in the zone to be irrigated, and wherein the sensing unit is elevated from the computer  
20 system by at least 2 meters.

3. The water irrigation system of claim 1, wherein the output from the sensing unit is provided to the computer system via radiofrequency radiation.

25 4. The water irrigation system of claim 1, wherein the wind speed is assessed at least partially based on a temperature/wind speed calibration table.

5. The water irrigation system of claim 1, wherein the computer system is configured to inhibit irrigation when the assessed wind speed exceeds a selected value for at least a  
30 selected length of time.

6. The water irrigation system of claim 1, wherein the water irrigation system comprises a solar panel, wherein the solar panel is configured to receive sunlight, to use the received sunlight to produce electricity, and to supply at least a portion of the electricity to the sensing unit.

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7. The water irrigation system of claim 1, wherein the computer system comprises an infrared receiver.

8. The water irrigation system of claim 1, wherein the computer system comprises an infrared transceiver.

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9. The water irrigation system of claim 1, wherein the computer system is configured to control irrigation at least partially based on community irrigation instructions.

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10. The water irrigation system of claim 1, wherein sensing unit comprises a solar panel, wherein the sensing unit is configured to receive sunlight, to use the received sunlight to produce electricity, and to supply at least a portion of the electricity to the sensing unit.

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11. The water irrigation system of claim 1, wherein the sensing unit comprises a solar panel, wherein the solar panel is configured to receive sunlight, to use the received sunlight to produce electricity, and to supply at least a portion of the electricity to the sensing unit, wherein the sensing unit is configured to assess climatological conditions, and wherein the sensing unit comprises a transmitter configured to provide output that is a function of climatological conditions to the computer system.

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12. The water irrigation system of claim 1, further comprising one or more valves that are operated by the computer system.

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13. The water irrigation system of claim 1, further comprising one or more valves that are operated by the computer system, wherein at least one of the valves is coupled to one or more conduits, and wherein at least a portion of each conduit is configured to carry water.

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14. The water irrigation system of claim 1, further comprising one or more valves that are operated by the computer system, wherein at least one of the valves is coupled to one or more conduits, and wherein at least a portion of each conduit is configured to carry water, one or more irrigation devices, wherein at least one of the irrigation devices is coupled to at least one of the conduits.

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15. The water irrigation system of claim 1, further comprising one or more valves that are operated by the computer system, wherein at least one of the valves is coupled to one or more conduits, wherein at least a portion of each conduit is configured to carry water, and a source of water that is coupled to at least one of the conduits.

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16. A method of controlling irrigation, comprising:

assessing wind speed as a function of temperature at least 2 meters above a zone to be irrigated;

assessing an irrigation need of the zone to be irrigated at least partially based on the assessed wind speed; and

controlling irrigation to at least meet the assessed irrigation need of the zone to be irrigated.

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17. The method of claim 16, further comprising inhibiting irrigation when the assessed wind speed exceeds a selected value for a selected length of time.

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18. The method of claim 16, further comprising assessing solar insolation near or in the zone to be irrigated, and controlling irrigation at least partially based on the assessed solar insolation.

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19. The method of claim 16, further comprising assessing solar insolation near or in the zone to be irrigated, and assessing zonal evapotranspiration at least partially based on the assessed solar insolation.
- 5 20. The method of claim 16, further comprising controlling irrigation at least partially based on community irrigation instructions.